

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	640	(715/517).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/19 16:43
S7	48	((("4984162") or ("4608662") or ("6178431") or ("5633996") or ("4123087") or ("5001654") or ("4244031") or ("5914714") or ("6187405") or ("4451900") or ("5699453") or ("5751283") or ("5495561") or ("5867678") or ("5263132") or ("RE36704") or ("5950216") or ("4996665") or ("4491933") or ("4558461") or ("6101733") or ("4815029") or ("6326962") or ("4974194") or ("6334145") or ("6438509") or ("5202828") or ("5341293") or ("5898434") or ("4495490") or ("3654609") or ("4447888") or ("4891771") or ("5290190") or ("5546521") or ("5655130") or ("6046740") or ("6714214") or ("5841959") or ("5909684") or ("4477103") or ("4506343") or ("4893953") or ("6226419") or ("6226419") or ("6243721") or ("6278455") or ("6313854") or ("5644739") or ("6646545").pn.))). PN.	US-PGPUB; USPAT	OR	OFF	2005/10/26 16:33
S8	970	(715/530).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/18 08:56
S9	83	(715/521).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/18 08:56
S10	142	(715/527).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/18 08:57
S11	132	(715/529).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/10/18 08:57
S18	214	draw\$4 with stair\$case	US-PGPUB; USPAT	OR	ON	2005/10/18 11:32
S19	86	format\$4 with stair\$case	US-PGPUB; USPAT	OR	ON	2005/10/18 11:35
S20	12	S18 and S19	US-PGPUB; USPAT	OR	ON	2005/10/18 11:33
S22	69	character with stair\$case	US-PGPUB; USPAT	OR	ON	2005/10/18 11:35
S23	7	S18 and S22	US-PGPUB; USPAT	OR	ON	2005/10/18 11:35
S24	4	S23 not S20	US-PGPUB; USPAT	OR	ON	2005/10/18 11:36

S25	13966	draw\$4 with vertical with horizontal	US-PGPUB; USPAT	OR	ON	2005/10/18 11:36
S26	283	draw\$4 with vertical with horizontal with object	US-PGPUB; USPAT	OR	ON	2005/10/18 11:36
S27	1161	character with object with format\$4	US-PGPUB; USPAT	OR	ON	2005/10/18 11:36
S28	3	S26 and S27	US-PGPUB; USPAT	OR	ON	2005/10/18 13:08
S30	127675	display\$4 with object	US-PGPUB; USPAT	OR	ON	2005/10/19 16:43
S31	590	select\$4 with deselect\$4 with display\$4	US-PGPUB; USPAT	OR	ON	2005/10/19 16:43
S32	214	S30 and S31	US-PGPUB; USPAT	OR	ON	2005/10/19 16:43
S33	46	select\$4 with deselect\$4 with display\$4 with object	US-PGPUB; USPAT	OR	ON	2005/10/19 16:46
S35	21088	display\$4 with object with (browser or screen or canvas)	US-PGPUB; USPAT	OR	ON	2005/10/19 16:44
S36	27	S33 and S35	US-PGPUB; USPAT	OR	ON	2005/10/19 16:44
S37	17835	select\$4 with category	US-PGPUB; USPAT	OR	ON	2005/10/19 16:44
S38	3	S36 and S37	US-PGPUB; USPAT	OR	ON	2005/10/20 15:59
S39	2	select\$4 near2 deselect\$4 near2 display\$4 near2 object	US-PGPUB; USPAT	OR	ON	2005/10/19 16:47
S40	127946	display\$4 with object	US-PGPUB; USPAT	OR	ON	2005/10/20 15:59
S41	225	select\$4 with deselect\$4 with object	US-PGPUB; USPAT	OR	ON	2005/10/20 15:59
S42	46	select\$4 with deselect\$4 with object with display\$4	US-PGPUB; USPAT	OR	ON	2005/10/20 15:59
S43	6374	object with category	US-PGPUB; USPAT	OR	ON	2005/10/20 16:00
S44	9	S42 and S43	US-PGPUB; USPAT	OR	ON	2005/10/20 16:18
S45	87	canvas with display\$4 with object	US-PGPUB; USPAT	OR	ON	2005/10/20 16:32
S46	9	canvas near2 (display\$4 adj2 object)	US-PGPUB; USPAT	OR	ON	2005/10/20 16:35
S49	94	select\$4 near2 deselect\$4 near2 object	US-PGPUB; USPAT	OR	ON	2005/10/25 16:04
S51	95	select\$4 near2 deselect\$4 near2 object	US-PGPUB; USPAT	OR	ON	2005/10/25 16:05
S52	21	(select\$4 near2 deselect\$4 near2 object) with display\$4	US-PGPUB; USPAT	OR	ON	2005/10/25 16:05

S56	1201	categor\$6 near similar\$6	US-PGPUB; USPAT	OR	ON	2005/10/26 14:57
S57	59	(categor\$6 near similar\$6) with display\$4	US-PGPUB; USPAT	OR	ON	2005/10/26 14:59
S59	1	(categor\$6 near similar\$6) with (display\$4 near2 object)	US-PGPUB; USPAT	OR	ON	2005/10/26 14:57
S60	58	S57 not S59	US-PGPUB; USPAT	OR	ON	2005/10/26 14:59
S61	24	(categor\$6 near similar\$6) with display\$4 with select\$4	US-PGPUB; USPAT	OR	ON	2005/10/26 15:04
S62	23	S61 not S59	US-PGPUB; USPAT	OR	ON	2005/10/26 15:04
S63	43	(categor\$6 near "same") with display\$4 with select\$4	US-PGPUB; USPAT	OR	ON	2005/10/26 15:04
S64	40	S63 not S61	US-PGPUB; USPAT	OR	ON	2005/10/26 15:30
S68	1363	character adj selection	US-PGPUB; USPAT	OR	ON	2005/10/26 16:16
S69	1	(character adj selection) with (begin\$4 near (text or line))	US-PGPUB; USPAT	OR	ON	2005/10/26 16:14
S70	1	(character adj selection) with (begin\$4 near3 (text or line))	US-PGPUB; USPAT	OR	ON	2005/10/26 16:14
S71	18	(character adj selection) with (begin\$4)	US-PGPUB; USPAT	OR	ON	2005/10/26 16:14
S72	17	S71 not S70	US-PGPUB; USPAT	OR	ON	2005/10/26 16:14
S73	8	individual adj character adj selection	US-PGPUB; USPAT	OR	ON	2005/10/26 16:17
S74	7	S73 not S69	US-PGPUB; USPAT	OR	ON	2005/10/26 16:17


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1 [Special issue on knowledge representation](#)



Ronald J. Brachman, Brian C. Smith

 February 1980 **ACM SIGART Bulletin**, Issue 70

Publisher: ACM Press

 Full text available: [pdf\(13.13 MB\)](#) Additional Information: [full citation](#), [abstract](#)

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were two useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

2 [A language for creating and manipulating VRML](#)



Terrence J. Parr, Timothy F. Rohaly

 January 1995 **Proceedings of the first symposium on Virtual reality modeling language**

Publisher: ACM Press

 Full text available: [pdf\(846.36 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

3 [Noncommand user interfaces](#)



Jakob Nielsen

 April 1993 **Communications of the ACM**, Volume 36 Issue 4

Publisher: ACM Press

 Full text available: [pdf\(6.81 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

4 [Glyphs: flyweight objects for user interfaces](#)



Paul R. Calder, Mark A. Linton

 August 1990 **Proceedings of the 3rd annual ACM SIGGRAPH symposium on User interface software and technology**

Publisher: ACM Press

 Full text available: [pdf\(1.04 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

5 Supporting cooperation across shared virtual environments

Monika Büsher, John Hughes, Jonathan Trevor, Tom Rodden, Jon O'Brien
November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work**

Publisher: ACM Press

Full text available:  [pdf\(1.95 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


As cooperative virtual environments have become more prominent as a means of allowing users to work together so has the need for users to understand the nature of these environments. This paper presents the development of a set of techniques to allow users to understand the properties of virtual environments as they move between different environments. The development of these techniques is informed by an ethnographic study of a multimedia art museum containing a wide range of different vir ...

Keywords: cooperative virtual environments, ethnographic studies, intersubjectivity, learnability

6 Document formatting: Creating reusable well-structured PDF as a sequence of component object graphic (COG) elements

Steven R. Bagley, David F. Brailsford, Matthew R. B. Hardy
November 2003 **Proceedings of the 2003 ACM symposium on Document engineering**

Publisher: ACM Press

Full text available:  [pdf\(458.01 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Portable Document Format (PDF) is a page-oriented, graphically rich format based on PostScript semantics and it is also the format interpreted by the Adobe Acrobat viewers. Although each of the pages in a PDF document is an independent graphic object this property does not necessarily extend to the components (headings, diagrams, paragraphs etc.) within a page. This, in turn, makes the manipulation and extraction of graphic objects on a PDF page into a very difficult and uncertain process. The wo ...

Keywords: PDF, form Xobjects, graphic objects, tagged PDF

7 A building block approach to color graphics

J. Robert Flexer, Gio Wiederhold
August 1979 **ACM SIGGRAPH Computer Graphics , Proceedings of the 6th annual conference on Computer graphics and interactive techniques SIGGRAPH '79**, Volume 13 Issue 2



Publisher: ACM Press

Full text available:  [pdf\(1.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



Graphics and imaging are important in scientific, academic and industrial environments. In the past graphics systems have been used with large computers and were only available to a minority of users. The relatively small and specialized use of graphics has inhibited sharing of software and prevented standardization necessary for widespread use. Dense semiconductor memory has recently become easily available in large quantities and makes high resolution graphics and imaging systems feasible ...

Keywords: Color graphics, Frame buffer, Imaging, Lightpen, Photo trigger, Rasterscan display, S-100 bus, Video digitizer, Video display



8 Glide: a language for design information systems

-  Charles Eastman, Max Henrion
July 1977 **ACM SIGGRAPH Computer Graphics , Proceedings of the 4th annual conference on Computer graphics and interactive techniques SIGGRAPH '77**, Volume 11 Issue 2
Publisher: ACM Press
Full text available:  [pdf\(237.84 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)



Keywords: architecture, database, design, engineering, languages

- 9 [ET++—an object oriented application framework in C++](#)
 Andre Weinand, Erich Gamma, Rudolf Marty
January 1988 **ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications OOPSLA '88**, Volume 23 Issue 11
Publisher: ACM Press
Full text available:  [pdf\(1.40 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

ET++ is an object-oriented application framework implemented in C++ for a UNIX+ environment and a conventional window system. The architecture of ET++ is based on MacApp and integrates a rich collection of user interface building blocks as well as basic data structures to form a homogeneous and extensible system. The paper describes the graphic model and its underlying abstract window system interface, shows composite objects as a substrate for declarative layout specification of com ...

- 10 [Intermedia: The architecture and construction of an object-oriented hypemedia system and applications framework](#)
 Norman Meyrowitz
June 1986 **ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications OOPSLA '86**, Volume 21 Issue 11
Publisher: ACM Press
Full text available:  [pdf\(1.96 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This article presents a case study of the development of the Intermedia system, a large, object-oriented hypermedia system and associated applications development framework providing sophisticated document linkages. First it presents the educational and technological objectives underlying the project. Subsequent sections capture the process of developing the Intermedia product and detail its architecture and construction, concentrating on the areas in which object-oriented technology has ha ...

- 11 [An interactive test data system for LSI production testing](#)
 H. D. Schnurmann, R. M. Peters
June 1980 **Proceedings of the 17th conference on Design automation**
Publisher: ACM Press
Full text available:  [pdf\(895.77 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a software system, ITDS, which supplies a chip or module tester with test data. There are two major components to the system: an interactive data entry system, ITLG; and a generator of environmental test data, SPEC/GEN. By "conversing" with its user, ITLG creates a technology library from a document of circuit specifications. The user does not need to be familiar with the tester. ITLG will guide the user by showing him how to enter the necessary data, by aud ...

12 The object-oriented implementation of a document editor



 Paul Calder, Mark Linton

October 1992 **ACM SIGPLAN Notices , conference proceedings on Object-oriented programming systems, languages, and applications OOPSLA '92**, Volume 27 Issue 10

Publisher: ACM Press

Full text available:  [pdf\(1.32 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

13 Document Formatting Systems: Survey, Concepts, and Issues



 Richard Furuta, Jeffrey Scofield, Alan Shaw

September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(5.36 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

14 Graph-based hierarchical conceptual clustering



Istvan Jonyer, Diane J. Cook, Lawrence B. Holder

March 2002 **The Journal of Machine Learning Research**, Volume 2

Publisher: MIT Press

Full text available:  [pdf\(228.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Hierarchical conceptual clustering has proven to be a useful, although under-explored, data mining technique. A graph-based representation of structural information combined with a substructure discovery technique has been shown to be successful in knowledge discovery. The SUBDUE substructure discovery system provides one such combination of approaches. This work presents SUBDUE and the development of its clustering functionalities. Several examples are used to illustrate the validity of the app ...

Keywords: cluster analysis, clustering, concept formation, graph match, structural data

15 Tasks-in-interaction: paper and screen based documentation in collaborative activity



 Paul Luff, Christian Heath, David Greatbatch


December 1992 **Proceedings of the 1992 ACM conference on Computer-supported cooperative work**

Publisher: ACM Press

Full text available:  [pdf\(1.09 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

16 Managing economics with desktop publishing



 Lisa Ruffolo, Susan Smith


October 1988 **Proceedings of the 6th annual international conference on Systems documentation**

Publisher: ACM Press

Full text available:  [pdf\(685.77 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

17 Demonstrational and constraint-based techniques for pictorially specifying application objects and behaviors



 Brad Vander Zanden, Brad A. Myers

December 1995 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 2 Issue 4

Publisher: ACM PressFull text available:  [pdf\(3.70 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


The Lapidary interface design tool is a demonstrational system that allows the graphics and run-time behaviors that go inside an application window to be specified pictorially. In particular, Lapidary allows the designer to draw example pictures of application-specific graphical objects that the end user will manipulate (such as boxes, arrows, or elements of a list), the feedback that shows which objects are selected (such as small boxes on the sides and corners of an object ...

Keywords: direct manipulation, interaction, interaction techniques, object-oriented design, programming by example, user interface management systems

18 [Status report of the graphic standards planning committee](#)




Computer Graphics staff

August 1979 **ACM SIGGRAPH Computer Graphics**, Volume 13 Issue 3**Publisher:** ACM PressFull text available:  [pdf\(15.01 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#)

19 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research****Publisher:** IBM PressFull text available:  [pdf\(4.21 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

20 [A constraint extension to scalable vector graphics](#)



Greg J. Badros, Jojada J. Tirtowidjojo, Kim Marriott, Bernd Meyer, Will Portnoy, Alan Borning

April 2001 **Proceedings of the 10th international conference on World Wide Web****Publisher:** ACM PressFull text available:  [pdf\(364.10 KB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: CSVG, SVG, constraints, differential scaling, interaction, scalable vector graphics, semantic zooming

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